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## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

RESONATOR AND HIGH-FREQUENCY FILTER

the specification of which (check one)

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application  
Serial No. \_\_\_\_\_ and was amended on  
\_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application or to the patentability of the invention claimed therein in accordance with Title 37, Code of Federal Regulations, section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, section 119(a) - (d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

### PRIOR FOREIGN APPLICATION(S)

			Priority Claim	
<u>2000-180401</u>	<u>Japan</u>	<u>15/06/2000</u>	<u>x</u>	
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
<u>2000-274618</u>	<u>Japan</u>	<u>11/09/2000</u>	<u>x</u>	
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	Yes	No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	Yes	No

## DECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, '119(e) of any United States Provisional application(s) listed below:

## PRIOR PROVISIONAL APPLICATIONS

_____	_____
(application serial number)	(Month / Day / Year filed)
_____	_____
(application serial number)	(Month / Day / Year filed)

I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status - patented, pending, abandoned
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint Gregory A. Stubbs, Reg. No. 28,764, and each principal, attorney of counsel, associate and employee of Harness, Dickey & Pierce, P.L.C., who is a registered Patent Attorney, my attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P.L.C., P. O. Box 828, Bloomfield Hills, Michigan 48303 (248) 641-1600.

Full name of sole or first inventor. Akira ENOKIHARA

Inventor's signature: Akira Enokihara

Date: June 12, 2001

Residence: Nara, Japan

Citizenship: Japan

Post Office Address: 1-4-3-506, Saidaiji-kunimi-cho, Nara-shi, Nara 631-0823, Japan

**DECLARATION AND POWER OF ATTORNEY**

Full name of second joint inventor, if any: Michio OKAJIMA

Second Inventor's signature: Michio Okajima

Date: June 12, 2001

Residence: Osaka, Japan

Citizenship: Japan

Post Office Address: 19-3, Toyono-cho, Neyagawa-shi, Osaka 572-0831, Japan

Full name of third joint inventor, if any: \_\_\_\_\_

Third Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of fourth joint inventor, if any: \_\_\_\_\_

Fourth Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of fifth joint inventor, if any: \_\_\_\_\_

Fifth Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: Not yet assigned  
Filing Date: Herewith  
Applicant: Akira Enokihara et al.  
Group Art Unit: Not yet assigned  
Examiner: Not yet assigned  
Title: Resonator and High-Frequency Filter  
Attorney Docket: 5077-000055/COA

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Director of The United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**REFERENCE TO RECORDED ASSIGNMENT  
OF ORIGINAL APPLICATION**

This application is a continuation application of U.S. Application No. 09/881,235. A prior assignment of the original application is recorded in the U.S. Patent and Trademark Office at Reel 011912, Frame 0494 and a copy of the assignment is provided herewith. This assignment recorded against the original application gives the assignee rights to the subject matter common to both applications.

Respectfully submitted,

Dated: Mar <sup>16</sup> 17, 2004

By: Greg Stobbs  
Gregory A. Stobbs  
Reg. No. 28,764

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

50770750055



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 30, 2001

PTAS

*SAS*



\*101759179A\*

GREGORY A. STOBBS  
HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. BOX 828  
BLOOMFIELD HILLS, MI 48303

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

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RECORDATION DATE: 06/14/2001

REEL/FRAME: 011912/0494  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ENOKIHARA, AKIRA

DOC DATE: 06/12/2001

ASSIGNOR:  
OKAJIMA, MICHIO

DOC DATE: 06/12/2001

ASSIGNEE:  
MATSUSHITA ELECTRIC INDUSTRIAL  
CO., LTD.  
1006 KADOMA  
KADOMA CITY, OSAKA, JAPAN 571-8501

SERIAL NUMBER: 09881235  
PATENT NUMBER:

FILING DATE: 06/14/2001  
ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

06-25-2001

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



101759179

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**Conveying Party(ies)**

- ☐ Mark if additional names of conveying parties attached

Name (line 1) Akira Enokihara

Execution Date  
Month Day Year  
06 12 2001

Name (line 2)

**Second Party**

Name (line 1) Michio Okajima

Execution Date  
Month Day Year  
06 12 2001

Name (line 2)

**Receiving Party**

- ☐ Mark if additional names of receiving parties attached

Name (line 1) Matsushita Electric Industrial Co., Ltd.

Name (line 2)

Address (line 1) 1006 Kadoma

Address (line 2) Kadoma City

Address (line 3) Osaka

Japan

571-8501

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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06/19/2001 HTECKLU1 00000014 09881235

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U.S. PTO  
09/881235  
06/14/01

**Correspondent Name and Address**

Area Code and Telephone Number

248-641-1600

Name Gregory A. Stobbs

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) P.O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4)

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**Application Number(s) or Patent Number(s)**

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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
06 12 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number as not been assigned.

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**Number of Properties**

Enter the total number of properties involved.

#

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**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$

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Deposit Account ☐

Deposit Account

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Deposit Account Number:

#

08-0750

Authorization to charge additional fees:

Yes ☒

No ☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Gregory A. Stobbs

Name of Person Signing

Signature

06/14/2001

Date



## ASSIGNMENT

WHEREAS, Akira ENOKIHARA, Michio OKAJIMA

---

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in RESONATOR AND HIGH-FREQUENCY FILTER

---

for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on \_\_\_\_\_ having Serial No. \_\_\_\_\_; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, Matsushita Electric Industrial Co., Ltd. of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: June 12, 2001,

Akira Enokihara  
Akira ENOKIHARA

Date: June 12, 2001,

Michio Okajima  
Michio OKAJIMA

Date: \_\_\_\_\_,

\_\_\_\_\_

Date: \_\_\_\_\_,

\_\_\_\_\_

Date: \_\_\_\_\_,

\_\_\_\_\_

Date: \_\_\_\_\_,

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Date: \_\_\_\_\_,

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Date: \_\_\_\_\_,

\_\_\_\_\_